

the



# Record

U. S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE

July 15, 1975  
Vol. XXVII, No. 14

NATIONAL INSTITUTES OF HEALTH

## 2 Branch Chiefs Named To Posts in NHLI Blood Diseases, Resources Div.



Dr. Therriault has served at the City of Hope Medical Center, Duarte, Calif., and at the U.S. Army Medical Research Laboratory and Armed Forces Education Program in Fort Knox.

Two new branch chiefs have been appointed to the National Heart and Lung Institute's Division of Blood Diseases and Resources. Dr. Joseph C. Fratantoni is chief of the Blood Diseases Branch, and Dr. Donald G. Therriault is chief of the Special Programs Branch.

Dr. Fratantoni will be responsible for the Institute's programs of basic and applied research on thromboembolic and hemorrhagic diseases, Cooley's anemia, and red blood cell enzyme and membrane disorders, including review and evaluation of national and inter-

(See NHLI POSTS, Page 6)

### Dr. Stone Appointed Dean Of Oregon Medical School

Dr. Robert S. Stone has been appointed Dean of the School of Medicine of the University of Oregon Health Sciences Center.

Dr. Stone was Director of NIH from May 29, 1973, until he resigned effective Jan. 31, 1975.

In addition to his duties as Dean of the School of Medicine, Dr. Stone has also been named vice president of the Health Sciences Center.

## Dr. M. Mehlman Is Editor Of Journal on Toxicology And Environmental Health

This coming September, a new publication—*Journal of Toxicology and Environmental Health*—will be issued by the Hemisphere Publishing Corporation in Washington, D. C.

The journal will include original and significant research papers in the fields of toxicology, teratology, environmental toxicology, drug metabolism, carcinogenesis, mutagenesis, and health effects of toxic and environmental factors.

Book reviews on those subjects and letters to the editor will also be published.

Dr. Myron A. Mehlman, Special Assistant to the Associate Director for Program Planning and Evaluation, OD, is editor of the journal. Associate editors include Dr. Gary Flamm, NCI, and Dr. David P. Rall, NIEHS Director.

Researchers from many parts of the world are on the editorial board. NIH'ers who are on the board include Drs. George J. Cosmides, NLM; David Hoel, NIEHS; Ruth Kirschstein, NIGMS Director, and Herman F. Kraybill and Umberto Saffiotti, NCI.

The publication will be issued 6 times a year.

## President Ford Attends Swearing-in Of Drs. Cooper and Fredrickson at NIH



President Ford observes Dr. Fredrickson taking his oath of office as Director of the National Institutes of Health. HEW Secretary Weinberger administers the oath as Mrs. Fredrickson holds the family Bible and the Fredrickson's son, Eric, looks on. (See other photos on pages 4 and 5.)

President Gerald R. Ford and HEW Secretary Caspar W. Weinberger participated in the ceremonies held at NIH on July 1 to administer the oath of office to Dr. Theodore Cooper, the new HEW Assistant Secretary for Health, and to Dr. Donald S. Fredrickson, the new Director of the National Institutes of Health.

The President said that he came to NIH "to honor two outstanding men who are taking office today..."

Paying "a very long-deserved tribute" to NIH, President Ford added, "The fact that the two men we are honoring today are both products of this institution is testimony to its greatness as a training ground for leaders in health and in medicine."

### Watches NIH Grow

"Over the years, as I was in the Congress, I watched NIH grow into the world's foremost medical research institution. I followed your achievements — the breakthroughs that you have achieved here and in laboratories which you support around the world."

"And I have watched this growth from its inception, as a Congressman, as Vice President, and now as

(See SWEARING-IN, Page 8)

## Council Receives NIH Contract to Design Science-Writer-in-Residence Pilot Program

NIH has issued a contract to the Council for the Advancement of Science Writing to design a pilot science-writer-in-residence program. The contract is administered by the Division of Scientific Reports, OD.

The program would enable journalists to work with scientists in research institutions. By taking an active part in a research project, the journalist would gain an understanding of the problems and methods of scientific inquiry and acquire an improved ability to assess research conclusions.

The research institutions would see how a reporter or broadcaster works and also become aware of the writer's problems and the requirements of his publication or station. Readers and viewers would benefit from the better reporting

and increased understanding of science and technology.

Working journalists and editors with a minimum of 2 years experience or the equivalent and freelance writers may apply for the science-writer-in-residence program.

Those who are selected for the program will spend between 1 and 6 months at a research institution of their choice. Travel expenses plus a stipend related to the salary of the journalist will be paid.

A CASW committee will select the journalists from among the applicants. The committee is co-chaired by Victor Cohn, *Washington Post*, and David Perlman, *San Francisco Chronicle*.

Letters may be sent to William J. Cromie, executive director, CASW, 618 N. Elmwood, Oak Park, Ill. 60302.

# the NIH Record

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NIH Record Office ..... Bldg. 31, Rm. 2B-03. Phone 49-62125

Editor ..... Frances W. Davis

Associate Editor ..... Fay Leviero

Staff Writer ..... Heather Banks

## Staff Correspondents

ADA, Judy Fleisher; CC, Thalia Roland; DCRT, Ruth Ketler; DRG, Sue Meadows; DRR, Jerry Gordon; DRS, Cora M. Sult; FIC, George Presson; NCI, Carolann Hooton; NEI, Bonnie Friedman Spellane; NHLI, Bill Sanders; NIAID, Krin Kolsky; NIAMDD, Pat Gorman; NICHD, Daniel Taylor; NIDR, Sue Hannon; NIEHS, Elizabeth Y. James; NIGMS, Wanda Wardell; NIMH, Betty Zubovic; NINCDS, Carolyn Holstein; NLM, Frann Patrick.

## Graduation Certificates Given To Students of FCC on Campus

Graduation certificates were presented to 32 students of the NIH-FCC Upward Mobility Satellite College at recent ceremonies in the CC 14th floor auditorium.

The certificates were presented by Edward E. Nicholas, Jr., Director of the Division of Personnel Management, Dick Jackson, project officer of UMC at NIH, and George Slate, UMC director at FCC.

Speakers at the graduation exercises included Dr. Ronald W. Lamont-Havers, NIH Deputy Director; William Russell, HEW Deputy Assistant Secretary for Personnel and Training, and Phillip Coleman, student spokesman.

Honor students were: Alice Beeton, Edwin Bowie, Phyllis Brown, Wilma Brown, Burt Chidakel, Frances Gallegos, and Dorothy Waters.

Other graduates: Sylvia Bailey, Timothy Benjamin, Phillip Coleman, Jerry Ellis, Glenn Fortune, Neil French, Carolyn Jackson, Elnora Jackson, Lucille Jeter, Yvette Jones, Charlie Lawrence, Charles Magruder, and Loraine McDonnell.

Also, Louise Miller, Betty Morris, Lynn Odellas, Lauretta Oliver, Arthur Reid, Jacqueline Richards, James Robinson, Sharon Rugg, Dorothy Stewart, Doris Sweet, Mary Talley, and Louella Thomas.

## Building 10 Extends Hours Of Employee Health Service

The Bldg. 10 unit of the Employee Health Service has extended its hours from 5 p.m. to 12:30 a.m., Monday through Friday, except holidays, on a one-year trial basis.

For further information, contact Dr. John M. Lynch, Ext. 66628, or the Medical Director, Employee Health Service, Bldg. 10, Room B2-A06, Ext. 64411.

## BBC Films Documentary On U.S. Cancer Research

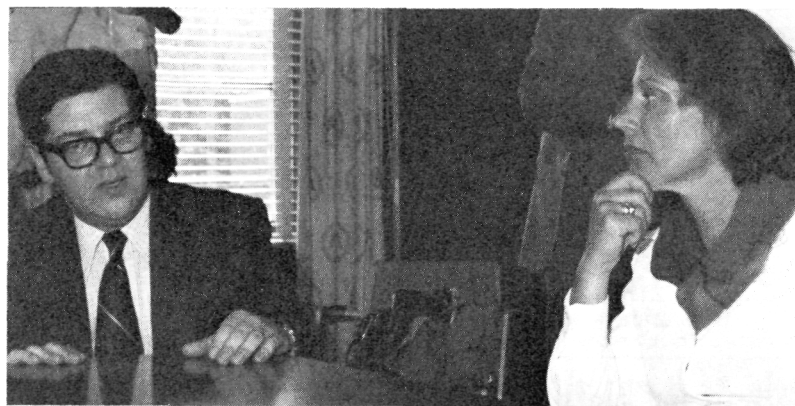


Cameraman Kenneth MacMillan (c) focuses on a technician at the Frederick Cancer Research Center. The BBC is preparing a documentary on the National Cancer Program, scheduled for telecasting in Great Britain in November.

British Broadcasting Corporation director Christopher Sykes and a television crew recently visited NIH to film a documentary on the National Cancer Program.

They interviewed Dr. Frank J. Rauscher, Jr., NCI Director and Director of the Program; Louis M. Carrese, associate director for program planning and analysis; and Samuel A. Tancredi, technical information specialist, Office of International Affairs—all of NCI—and Dr. Benno C. Schmidt, chairman of the President's Cancer Panel.

The BBC also filmed meetings of the Panel and the National Cancer



Dr. Mildred Scheel, wife of the President of the Federal Republic of Germany, came to NIH on June 17. A radiologist in West Germany, Dr. Scheel talked with Dr. Frank J. Rauscher, Jr. (l), Director of NCI and the National Cancer Program, and visited NCI researchers and the CC laminar air flow rooms.

## Civic Leader M. R. Ripley Named to NHLI Council

Mary Roberts Ripley, a Los Angeles civic leader, has been appointed to the National Heart and Lung Advisory Council.

Mrs. Ripley has long been active in civic and community service organizations at the local, state, and national levels.

She has served as an officer or has held executive positions in many of these organizations, including the California Heart Association, the Child Welfare League of America, and the State Board of Social Welfare.

## Awards Given

Her awards for outstanding civic service have included the Distinguished Achievement Award of the Los Angeles Heart Association; the Meritorious Service Award of the California Heart Association, and the Distinguished Service Award of the American Heart Association.

## Cummings Leaves on Assignment To National Australian Library

Dr. Martin M. Cummings, National Library of Medicine Director, leaves next month on an assignment as consultant to the National Library of Australia in Canberra.

He will advise on a feasibility study for a proposed life sciences network—part of a national information system to be operated by that library.

## Day Is Acting Director

During the 6-month absence of Dr. Cummings, NLM deputy director Melvin S. Day will be acting director.

The life sciences network will be a component of the Australian Library Based Information System. It is one of ten such networks planned for science and technology.

cer Advisory Board, and will visit institutions across the country which receive National Cancer Program support.

## Farewell Reception Planned For Dr. Dorland J. Davis

An informal reception will be given for Dr. Dorland J. Davis on Tuesday, July 29, from 3 to 4:30 p.m., in the Bldg. 1 cafeteria.

Dr. Davis, Director, National Institute of Allergy and Infectious Diseases, is retiring from NIH. He has been in the U.S. Public Health Service for 36 years.

Friends and associates who wish to attend the reception may contact Dr. Robert J. Byrne, Bldg. 31, Room 7A-03, Ext. 65367.

## Iran, U.S. Will Further Biomedical Relations

A cooperative arrangement to further biomedical communications between Iran and the U.S. has been signed by Dr. A. H. Samii of Iran and NLM Director Dr. Martin M. Cummings.

Dr. Samii is Director of the Imperial Medical Complex of Iran and Minister of Science and Education. The IMCI has plans to develop an Iranian National Medical Library.

The Memorandum of Understanding between the two countries includes consultation, training, and services which NLM will provide upon request and funding by Iran. The arrangement was initiated by that country to assist its health professionals.

## Dr. Yerby Talks on Britain's Medicine, Nat'l Health Services

Dr. Alonzo S. Yerby who has joined the FIC staff as a visiting research professor, will discuss Community Medicine and the Reorganization of the National Health Service in the United Kingdom.

His lecture will be given at 10 a.m., on Wednesday, July 23, in Bldg. 31, Conference Room 10.

Dr. Yerby is professor of health services administration, Harvard School of Public Health.

## Five New Members Serve on DRR Council

An academic vice president—Dr. William S. Partridge—and a medical professor who heads a department—Dr. Jason H. Collins—have been appointed to the National Advisory Research Resources Council.

Dr. Partridge has been vice president for research at the University of Utah since 1966.

Dr. Collins is a professor and chairman of the department of obstetrics and gynecology, Tulane University School of Medicine.

He has written a number of medical articles and has also authored a chapter in a textbook.

He will serve on the council through September 1977.

Three other members were also recently appointed to the DRR Council. They are Dr. Peter H. Abbrecht, W. Robert Blair, and Dr. Leo K. Bustad.

(See DRR COUNCIL, Page 7)

## Retirement Annuity Increase Of 5.1% Effective August 1

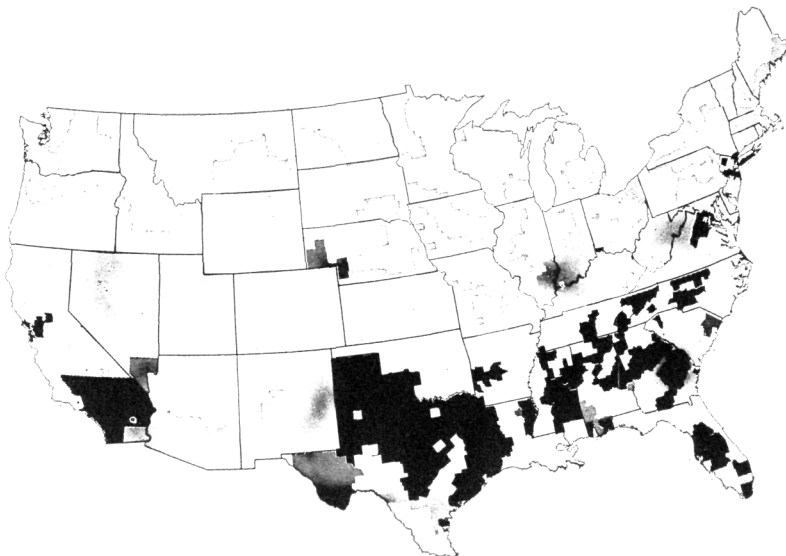
The Civil Service Commission has announced a 5.1 percent cost-of-living increase in retirement annuities which will become effective on Aug. 1.

Employees must retire before this date in order to benefit from this increase as well as the 7.3 percent cost-of-living increase of this past January. Employees who are considering retirement should inform their personnel office as soon as possible.



Dr. James R. Fouts, NIEHS, has been elected chairman of the Division of Drug Metabolism, American Society for Pharmacology and Experimental Therapeutics. This division has over 700 members. Dr. Fouts is chief of NIEHS's Pharmacology Branch. He is an international authority in the field of enzyme induction, and has won awards for his research from U.S. and Canadian organizations. Dr. Fouts has authored or co-authored more than 145 publications, and currently teaches at two universities.

## Maps of Cancer Mortality Rates Show Geographic Variations; Factors Examined



Cancer mortality, 1950-69, for melanoma of skin in white males is shown by state economic area. Higher rates, adjusted for age, are darker.

The National Cancer Institute has published an *Atlas of Cancer Mortality for U.S. Counties: 1950-1969* showing geographic variation in death rates for 35 anatomic sites of cancer.

By providing clues to occupational and environmental factors that contribute to cancer causation, the *Atlas* can be used to identify areas where additional studies may pinpoint these factors.

The authors, from NCI's Epidemiology Branch, are Dr. Thomas J. Mason, Frank W. McKay, and Drs. Robert Hoover, William J. Blot, and Joseph F. Fraumeni, Jr.

The *Atlas* contains maps of 16 common cancer sites on a county-by-county basis.

The other 19 sites, for which fewer deaths occurred, are mapped by "state economic area," defined by the Bureau of the Census as a single county or group of counties with similar economic and social characteristics.

### Rates Computed, Adjusted

The maps are based on average annual cancer death rates per 100,000 population, obtained from data provided by HEW's National Center for Health Statistics and based on death certificates. The rates were computed separately for whites and nonwhites and for males and females.

The data, adjusted to correspond to the distribution by age of the U.S. population in 1960, were published by NCI in 1974 in a 729-page volume.

The new maps of cancer mortality show geographic patterns separately for males and females and describe cancer only in whites.

Another study is now under way with modified mapping techniques to assure reliable results with the smaller numbers of nonwhites in the U.S.

Summary tables for each cancer site list a percentile ranking of mortality rates and numbers of deaths. Other tables in the *Atlas* give death rates for each cancer site for consecutive 5-year age groups.

Similar geographic patterns for both sexes for a particular cancer suggest that common environmental factors may contribute to causation; markedly different patterns for the sexes suggest occupational factors.

### Some Patterns Predicted

For some cancers, such as melanoma—a rare form of skin cancer—geographic patterns were predictable. Melanoma deaths occurred predominantly in the southern U.S. and the Southwest. Scientists have known for many years that sunlight is a major cause of skin cancer, and that darker-skinned persons are less susceptible.

Cancers of the colon and rectum, believed to be related to diet, were found in both sexes at above-average rates in the Northeast and in urban areas along the Great Lakes. Low rates were found in the southern and central parts of the U.S.

Surprisingly, breast cancer showed a similar pattern suggesting that this disease may have an environmental factor in common with cancers of the large intestine.

High rates in the Northeast for cancers of the esophagus, larynx, mouth and throat, and bladder were limited to males, suggesting occupational factors.

In a correlation study, the NCI scientists identified high rates of cancers of the lung, liver, and bladder in counties with significant employment in the chemical industry. Additional studies are needed to

## July 30 Deadline to Place Data in Next NIH Directory

July 30 is the deadline for inserting information in the next *NIH Telephone and Service Directory* that will be distributed in September.

If an employee's name does not appear in the alphabetical section of the Directory or if information listed is incorrect, Form NIH-433 should be sent to the Telephone Directory Service Unit, Bldg. 10, Room B1-A33.

The Form NIH-433, REPORT OF NAME, ADDRESS, OFFICE AND TELEPHONE NUMBER, may be obtained from administrative officers or self-service stores.

clarify any occupational risks.

Lung cancer death rates were above average in counties where a significant percentage of the work force is engaged in smelting and refining of copper, lead, and zinc ores.

In counties along the Gulf and Atlantic coasts south of Charleston, S.C., high rates suggest that environmental factors, in addition to cigarette smoking, may contribute to lung cancer deaths in these predominantly rural and seaport areas.

High rates of stomach cancer found in both sexes in the North Central States correspond closely with the geographic concentration of persons with ancestors from Austria, the Soviet Union, and Scandinavia. Stomach cancer rates in those countries are also higher than the U.S. average.

An unexpected concentration for cancers of the lip and mouth/throat was found among women in the South. There were no clearly discernible patterns in the U.S. for cancers of the pancreas, brain, salivary gland, nose, and sinuses.

The authors of the mapping study caution that the maps should not be used alone to ascribe cancer mortality to hazards in specific areas. For example, mortality rates may reflect environmental exposures from entirely different parts of the U.S. due to population movements such as retirement.

### Techniques Further Refined

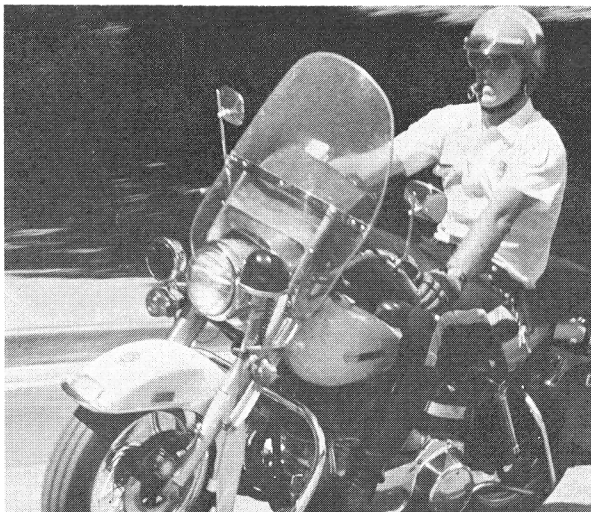
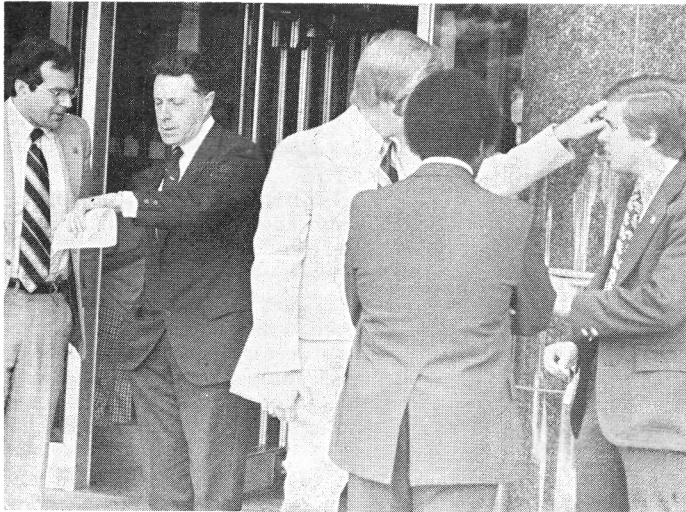
The data and mapping techniques will be further refined. New studies will follow up leads suggested by national patterns for specific forms of cancer.

Further analyses of the effects of socioeconomic status, urbanization, and latitude on cancer death rates will complement the current studies.

A limited number of copies of the *Atlas* will be available directly from NCI. Additional copies will be on sale from the GPO at a later date.

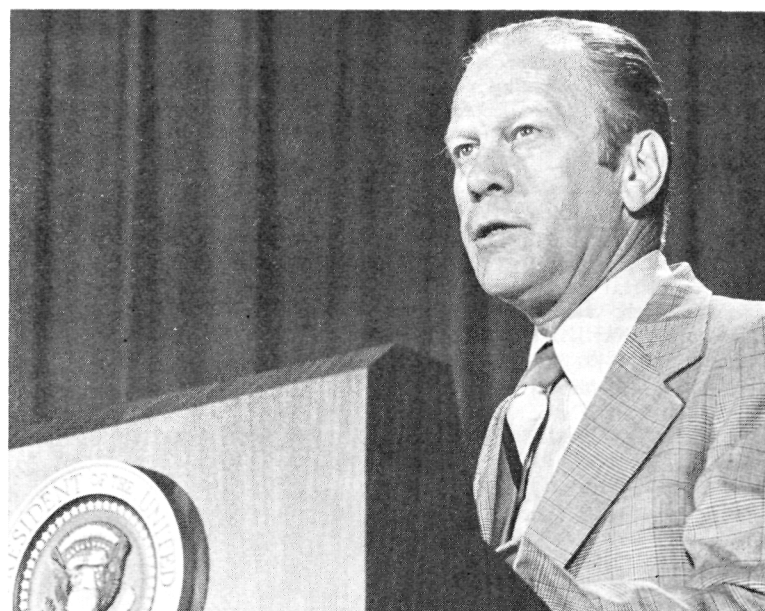
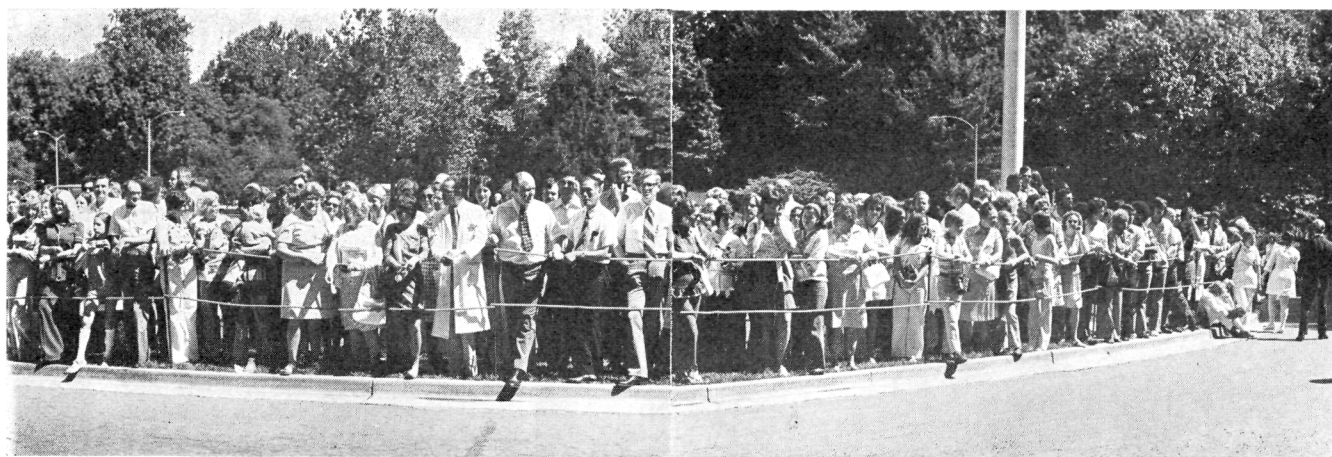


# THE PRESIDENT COMES TO NI





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Photos by  
Tom Joy, Ed Hubbard,  
Jerry Hecht, Heather Banks



Dr. Ruth Kirschstein, NIGMS Director (far left), was guest speaker at the recent annual awards dinner of the suburban Maryland chapter of Federally Employed Women, Inc. Dr. Kirschstein discussed her career. At the dinner, awards for promoting equal job opportunities were presented to (l to r) Florence Perman, HEW Federal Women's Program director; Dr. Betty

Pickett, acting director, Division of Extramural Research Programs, NIMH; Jesse Halpern, Health Services Administration; Julia Rowady, Health Resources Administration; Dr. Louis Wienckowski, on leave as director, Division of Extramural Research Programs, NIMH, and Pauline Compton, HSA.

### NIH Visiting Scientists Program Participants

6/1—Dr. Lee Kyung Cho, Korea, Environmental Biology and Chemistry Branch. Sponsor: Dr. James McKinney, NIEHS, Research Triangle Park, N.C.

6/1—Dr. Prabhati Ray, India, Reproduction Research Branch. Sponsor: Dr. Charles Strott, NICHD, Bg. 10, Rm. 10B03.

6/8—Dr. Aritake Mizuno, Japan, Laboratory of Vision Research. Sponsor: Dr. Jin H. Kinoshita, NEI, Bg. 6, Rm. 222A.

6/9—Dr. D. Narayana Rao, India, Laboratory of Cell Biology. Sponsor: Dr. Stuart Rudikoff, NCI, Bg. 8, Rm. 201.

6/18—Dr. Tateo Itoh, Japan, Laboratory of Molecular Biology. Sponsor: Dr. Jun-ichi Tomizawa, NIAMDD, Bg. 2, Rm. 304.

6/23—Dr. Barbara Barylko, Poland, Cardiology Branch. Sponsor: Dr. Robert S. Adelstein, NHLI, Bg. 10, Rm. 7B06.

#### Scientist From India

6/23—Dr. T. L. P. Reddy, India, Laboratory of Cell Biology. Sponsor: Dr. Richard Hendler, NHLI, Bg. 3, Rm. B1-06.

6/26—Dr. Aquiles Ayala, Mexico, Reproduction Research Branch. Sponsor: Dr. Griff T. Ross, NICHD, Bg. 10, Rm. 12N204.

6/27—Dr. Mark R. L. Buller, Canada, Laboratory of Biology and Viruses. Sponsor: Dr. James A. Rose, NIAID, Bg. 5, Rm. 309.

6/29—Dr. Girjesh Govil, India, Laboratory of Chemical Physics. Sponsor: Dr. Edwin D. Becker, NIAMDD, Bg. 2, Rm. 120.

6/29—Dr. Henry A. Nasrallah, Syria, Laboratory of Clinical Psychopharmacology. Sponsor: Dr. Richard Wyatt, NIMH, St. Elizabeths Hospital.

6/30—Dr. Roman E. Ader, Israel, Laboratory of Chemical Physics. Sponsor: Dr. Edwin D. Becker, NIAMDD, Bg. 2, Rm. 120.

7/1—Dr. Amnon Altman, Israel, Biology Branch. Sponsor: Dr. Berton Zbar, NCI, Bg. 37, Rm. 2B09.

7/1—Dr. Mariano Barbacid, Spain, Molecular Biology Section. Sponsor: Dr. Stuart Aaronson, NCI, Bg. 37, Rm. 2D24.

7/1—Dr. David Callen, United Kingdom, Microbial and Plant Genetics. Sponsor: Dr. Georges Mohn, NIEHS, Research Triangle Park, N. C.

7/1—Dr. John S. Elkington, Australia, Environmental Mutagenesis Branch. Sponsor: Dr. Frederick J. de Serres, NIEHS, Research Triangle Park, N. C.

7/1—Dr. Yoshio Hojima, Japan, Hypertension Endocrine Branch. Sponsor: Dr. Marion E. Webster, NHLI, Bg. 10, Rm. 6D11.

7/1—Dr. Shinichi Hosokawa, Japan, Laboratory of Experimental Neurology. Sponsor: Dr. William Caveness, NINCDS, Bg. 36, Rm. 4A27.

7/1—Dr. Aaron Jen-Wang Hsueh, Taiwan, Reproduction Research Branch. Sponsor: Dr. Kevin Catt, NICHD, Bg. 10, Rm. 12N218.

7/1—Dr. Samuel K. Martin, Cameroon, Laboratory of Parasitic Diseases. Sponsor: Dr. Louis Miller, NIAID, Bg. 5, Rm. B101.

7/1—Dr. Kapilavayi Nagaiah, India, Laboratory of Biomedical Sciences. Sponsor: Dr. Gordon Guroff, NICHD, Bg. 6, Rm. 310.

7/1—Dr. Safa M. Rifka, Lebanon, Reproduction Research Branch. Sponsor: Dr. Griff T. Ross, NICHD, Bg. 10, Rm. 12N204.

7/1—Dr. Toshimichi Shinohara, Japan, Laboratory of Molecular Genetics. Sponsor: Dr. Joram

## EHS Scientists Testing Toxic Effects of DES On Unborn Animals

Scientists at the National Institute of Environmental Health Sciences are testing the toxic effects of DES—diethylstilbestrol—a synthetic hormone, on unborn animals.

Recent reports have described the latent appearance of previously rare genital tract tumors in young women whose mothers had been given DES during gestation.

During the 1950s and 1960s a number of women having trouble with their pregnancies were given the drug to keep them from aborting.

Using mice in their experiments, the investigators will try to determine how and when damage to offspring of DES-treated mothers occurs.

The experiment should also be useful in studying factors associated with transplacental carcinogenesis and may help investigators find predictive indicators of cancer.

The ovaries are being taken very early from unborn mice and grown in culture. Some are then being traced through the normal process of development and studied to see how changes occur when there is no interference.

Other cells of the same kind are being exposed to DES to determine what changes occur in the way the cells develop.

To date, in studies with the DES-exposed mice, no visible changes in the development of the animal have been found. The offspring appear to grow and reach puberty normally.

#### Lesions Noted in Males

There is some evidence, however, that reproductive tract lesions may be produced in male offspring following DES exposure during gestation.

NIEHS investigators will also determine whether male offspring of DES-treated mothers also may be at risk.

Although DES has generally been discredited as a method for preventing abortion, it has been found to be an effective post-coital contraceptive, and has been approved by the Food and Drug Administration for use in emergency situations.

The hormone has also been used routinely as a cattle feed additive to speed weight gain, and a ban on the use of DES for this purpose is being considered.

Piatigorsky, NICHD, Bg. 6, Rm. 333.

7/1—Dr. Ella Nora Slack, Rhodesia, Laboratory of Molecular Aging. Sponsor: Dr. Bertram Sacktor, NIA, Gerontology Research Center, Baltimore, Md.

## NHLI POSTS

(Continued from Page 1)

national research developments in these areas.

Dr. Therriault's responsibilities include planning and administration of the Specialized Centers of Research Program.

He will also be concerned with the National Research and Demonstration Program in blood diseases; the application to clinical practice of knowledge gained through research and development, and with coordinating the administration of research grants with other Division branches.

Dr. Fratantoni holds the A.M. in chemistry from Harvard University and the M.D. from Cornell University.

A member of the PHS Commissioned Corps, he joined NHLI in 1974 as director of the Thrombosis Program in the DBDR.

Dr. Therriault received his M.S. in biochemistry from the University of New Hampshire and the Ph. D. from the University of Louisville.

Prior to joining NHLI in 1972, he was for 10 years the leader of the intermediate metabolism group, Biochemistry-Pharmacology Laboratory, U.S. Army Research Institute of Environmental Medicine, Natick, Mass.



Dr. Fratantoni has held teaching positions at Georgetown University Medical School and was senior staff physician in the CC's Hematology Service.

### HEW Committee to Coordinate Toxicology Will Meet at NIH

The HEW Committee to Coordinate Toxicology and Related Programs will meet at NIH tomorrow and Thursday, July 16-17, to evaluate newly developed systems for detecting mutagenic activity of chemicals and possible use of these systems.

Dr. David Rall, Director of the National Institute of Environmental Health Sciences, is chairman of the HEW Committee.

The meeting in Wilson Hall, Bldg. 1, will be open.



## Record Breaking Number Of Minority Researchers Attend MBS Symposium



Undergraduate researcher Estelle Blanchet of Xavier University of Louisiana compares notes with Dr. Bowery at the recent Third Annual Xavier-MBS Biomedical Symposium.

Over 900 undergraduate and graduate health science researchers and faculty scientists—the largest scientific gathering of biomedical researchers from predominantly minority colleges and universities ever held in the United States—recently attended a 3-day symposium in New Orleans.

The conference was co-sponsored by the Division of Research Resources and Xavier University of Louisiana.

Evidence of increasing activity in biomedical research by minority investigators is demonstrated by the presentation of 265 scientific papers at this year's symposium compared to the 70 papers presented in 1973.

The papers, representing biomedical research at 85 institutions throughout the Nation, covered many areas. Reports ranged from such topics as virus interaction on nerve tissue to the analysis of waste effluents in waters surrounding a major city.

Keynote speaker Dr. Thomas G. Bowery, DRR Director, urged involvement by the minority researchers as he outlined the evolution of an idea from "first glimmer" to the completion of a scientific paper.

Dr. Ciriaco Q. Gonzales, acting director of the NIH Minority Biomedical Support Program, MBS, also spoke and told the conferees,

## NIDR Council Appointees Bring Varied Experience To Advisory Roles

Four new members have been appointed to the National Advisory Dental Research Council: Barbara Ann Banner Maves, and Drs. Ronald Johnson, Thomas Wai Sun Wu, and Roy V. Talmage.

Ms. Maves is Director of Planned Parenthood of East Central Indiana.

She served as the first administrator of the Operations Division, Community Services Program, in Indianapolis, and was administrator of the Office of Consumer Affairs in that city.

### Heads Dentistry Service

Dr. Johnson is chief of the Pediatric Dentistry Service at the Martin Luther King, Jr., General Hospital in Los Angeles.

He was a research fellow at the Forsyth Dental Center and a post-doctoral fellow at the Harvard School of Dental Medicine, receiving a specialty certificate in pedodontics in 1967.

Dr. Johnson has served as assistant and associate professor of pediatric dentistry at several universities.

Dr. Wu, a practicing dentist in San Francisco, received his D.D.S. degree from the University of California School of Dentistry.

He has maintained an active interest in the development of methods to correct the occlusion through orthopedic treatment of the jaw and has conducted clinics and lectured on this subject.

### Served on HEW Committee

Dr. Wu served for 3 years with the HEW National Advisory Committee for Dental Health.

Dr. Talmage is Director of the Orthopaedic Research Laboratories and professor of surgery at the School of Medicine, University of North Carolina.

In recent years, he has done work under support of NIH, including NIDR.

Dr. Talmage, who has taught biology at a number of universities, was also a staff biochemist with the Atomic Energy Commission.

"The Nation has not utilized the scientific talent of its minority students.

"The National Institutes of Health recognized this fact and has launched several programs to rectify this situation."

He pointed out that there are only 1,200 full-fledged minority scientists in the Nation today.

Dr. Gonzales said, "With the MBS program in progress, we should be able to double this number in approximately 4 years."

Writers, like teeth, are divided into incisors and grinders.—Walter Bagehot

## 'Federation Proceedings' Devotes Issue To Research at DRR's Primate Centers

The July issue of the *Federation Proceedings* is devoted entirely to papers on the activities at the seven primate research centers supported by the Division of Research Resources.

Published by the Federation of American Societies for Experimental Biology, the magazine presents articles of interest to biomedical scientists.

The articles in the July issue include the Wisconsin Primate Research Center's study on the biological effects of polychlorinated biphenyls.

This investigation indicates that levels of PCBs permitted in some foods intended for humans can produce toxic effects in non-human primates within a relatively short time.

### Exposure Levels Studied

Continuous exposure to even minute quantities may cause ill effects since PCBs accumulate in the tissues of exposed animals; a safe level of PCBs has yet to be established.

The Oregon Primate Center's report on their study of the immunologic and morphologic effects of vasectomy in rhesus monkeys indicates no significant correlation between vasectomy and any long-term systemic dysfunctions located away from the surgical site.

This study also includes an investigation of the success rate in vasovasostomies, the surgical procedure to reverse a vasectomy.

An article from the Yerkes Primate Research Center in Atlanta discusses the use of nonhuman primates in human tumor immunology studies.

Although the research covered leukemia and melanoma antigens, the investigators felt that their ap-

proach may also serve for the detection by simian antisera of tumor-specific membrane antigens of cancer cells from patients with various types of solid tumors.

Tulane University's Delta Primate Research Center reports that preliminary results indicate that patas and African green monkeys may serve as models for the investigation of human borreliosis infection, or relapsing fever.

Other topics in this issue include the New England Center's study of chromosome differences in Squirrel monkeys from different regions of South and Central America; the California Primate Research Center's studies of the effect of oxidant air pollutants, and results of the chronic use of marijuana, and the Washington Center's study on the baboon's endocrine and metabolic responses to environmental cold.

## DRR COUNCIL

(Continued from Page 3)

Dr. Abbrecht is professor of physiology and chairman of the bioengineering program at the University of Michigan.

His textbook for bioengineering students, *Physiological Systems Analysis For Engineering*, will be published in July.

Mr. Blair, former Speaker of the Illinois House of Representatives, is an attorney in private practice, and president of the Fairfax Realty Company in Park Forest, Ill.

Dr. Bustad is dean of the College of Veterinary Medicine, Washington State University.

He is also an associate editor of *Laboratory Animal Science*, and is on the editorial board of the *American Journal of Veterinary Research*.



These delightful youngsters from the Day Care Center sang at the NIH Recreation & Welfare Association's annual meeting June 11 in the Masur Auditorium. Other entertainment included a style show, and music by the NIH Dance Band. Edward S. Condon, R&W president, gave the annual report of the Association's activities, followed by the treasurer's report. First prize, a trip to Munich during its fall festival, was won by Elaine M. Busch, NIDR.

## SWEARING-IN



(Continued from Page 1)

President.

"Through your accomplishments, NIH has become a symbol of hope, not just for the patients who are here in this or the other buildings, but all people, everywhere.

"Yet, despite our sophisticated technology and the best efforts of our physicians and hospitals, millions and millions of persons still die or are crippled each year from diseases such as cancer, heart disease, kidney disease, arthritis, and others.

### Looks to NIH for Knowledge

"We, and I use this in the broadest context—people all over the world, look to you here at the NIH—to you, Dr. Fredrickson, to develop the new knowledge necessary to bring their diseases under control, and to make that knowledge available to our physicians and hospitals in the form of new methods of prevention, diagnosis, and treatment."

He also expressed a wish "to thank from the bottom of my heart Cap Weinberger for the outstanding job he has done as Secretary of Health, Education, and Welfare."

### Expects Leadership

President Ford concluded by reaffirming his expectation that the leadership being sworn in can "strengthen the sound foundation of our Nation's health" and can "work with the private sector to help develop new cures and deliver the best possible treatment to all Americans."

Prior to the President's arrival, John H. Ottina, HEW Assistant Secretary for Administration and Management, welcomed all who came to see the oaths administered, including former NIH Director Dr.

## A Successful Conclusion: 80% of NIH Employees Checked Blood Pressure

Between last November and this June, NIH employees were given the opportunity to have their blood pressure checked.

Over 80 percent of all employees took advantage of the free service. Nurses screened workers in every building, excepting Poolesville and the Gerontology Research Center, on day and night shifts and even on weekends.

The program was initiated by the National High Blood Pressure Education Program, a multi-agency program with its focus in the National Heart and Lung Institute. The Employee Health Service at NIH offered its full cooperation and support.

Dr. Jim L. Shields, NHLI assistant director for health information programs, Dr. Robert I. Levy, Director of the Division of Heart and Vascular Diseases, NHLI, and Graham Ward, NHBPEP program coordinator, praised the many people who gave generously of their



**Dr. R. W. Lamont-Havers, NIH Deputy Director, has his blood pressure checked during the screening program for NIH employees.**

time and talents to make the screening a success.

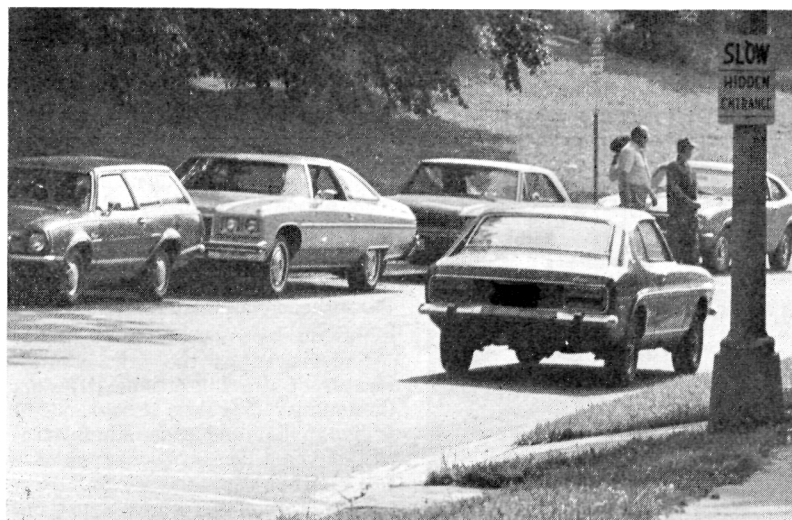
They also urged those found to have elevated pressure to seek further evaluation and to obtain or to continue treatment.

James A. Shannon and Mrs. Shannon, and representatives of many private health organizations.

Following the invocation by Rev. Leroy G. Kerney, chief of the CC Spiritual Ministry Department, HEW Secretary Weinberger welcomed the Chief Executive, and noted that "his coming here is evidence of his great and deep commitment to biomedical research and to the goals we all seek."

Music was provided by the United States Marine Band.

An expert is a man who tells you a simple thing in a confused way in such a fashion as to make you think the confusion is your own fault.—William B. Castle.



**YIELD TO PEDESTRIANS! Many NIH motorists seem unaware of the numerous crosswalks and of pedestrian rights. Section 3.25 of the "NIH Regulations Governing Conduct and Traffic" states: "No person shall fail or refuse to yield the right-of-way to a pedestrian crossing a street in marked crosswalks." The Protection and Parking Branch asks employees and visitors to drive carefully to make the reservation as safe as possible.**

## Dr. Jaffe Wins Two Awards for Blood Research

Dr. Russell M. Jaffe, staff physician in the Clinical Pathology Department, Clinical Center, recently received two awards for his research on the interaction of structural proteins (collagen) of blood vessels and the aggregation of platelets—blood cells necessary for coagulation.

The awards were the John D. Lane Annual Research Award in the junior investigator category and a third place Mead Johnson Excellence of Research Award for his paper, "Role of Quaternary Structure in Collagen Binding to and Aggregation of Platelets."

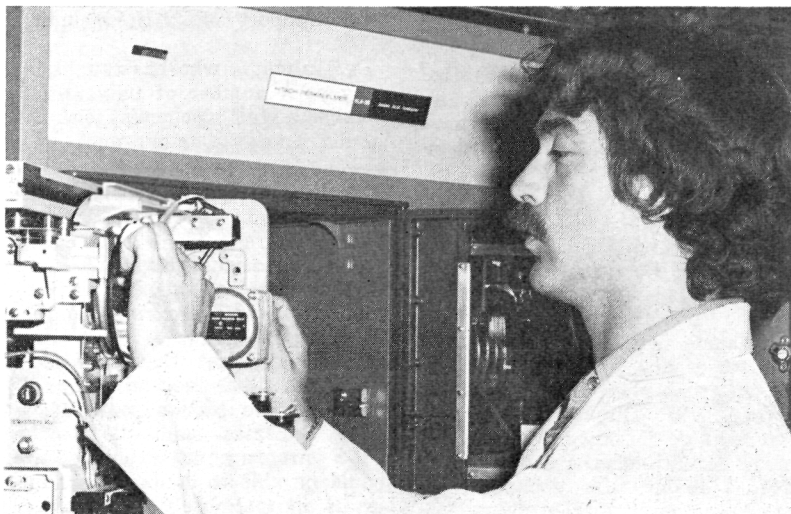
The Lane award was created by the Commissioned Officers Association. Dr. Jaffe's paper was selected from about 300 that were presented at the COA annual meeting held in Las Vegas early last month.

Dr. Jaffe received the award from

Dr. Theodore Cooper, HEW Assistant Secretary for Health. Two other NIH scientists were announced as being among the finalists in the junior investigator category. They were Dr. Ronald D. Barr, NCI, and Dr. James A. Nathanson, NIGMS.

The Johnson award was presented to Dr. Jaffe at the recent meeting of the Sixteenth National Student Research Forum held in Galveston, Tex. The forum is jointly sponsored by the University of Texas Medical Branch and the Student American Medical Association.

Dr. Jaffe, who graduated from Boston University Medical School in 1972, has been a resident in the CC's Clinical Chemistry Section until recently, when he received an appointment to the permanent staff of the Clinical Pathology Department.



**Dr. Jaffe's work supports the hypothesis that a precise arrangements of collagen molecules must be attained before self-perpetuating platelet aggregation can be induced.**

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## ENERGY TIPS

- If everyone scheduled household chores to lighten the load at the generating plants during peak hours in the afternoon and evening, fewer inefficient generating units would have to be used, reducing fuel consumption and the possibilities of brownouts and blackouts.

- On cooler days and during cooler hours, open the windows instead of using air-conditioners or electric fans.